## Medication Worksheet N321

Name _Sherri Wober_     Date _1-17-21_

1. How many mL are in a teaspoon? __5 mL__

2. 750 mcg is how many mg? __0.75 mg__

3. Express number to the nearest hundredth 2.345 __2.35__

4. Solve the following equation 55 X 0.15. Express your answer to the   8.25

   nearest tenth __8.3__

5. 2.5 L is how many mL? __2500 mL__

6. 750 mg is how many grams? __0.75 g__

7. Convert weights to kg:

   a. 154 lbs. __70 kg__

   b. 123 lbs. __56 kg__

   c. 15.4 lbs. __7 kg__

8. 45 min = how many hours? __0.75 hr__

9. The nurse needs to infuse 250 mL over 45 minutes by infusion pump. At

   what rate per hour does the nurse set the pump? __333 mL/hr__

10. The provider has ordered 1 L of 0.9NS over 12 hours. At what rate per

    hour does the nurse set the pump? __83 mL/hr__

$$250mL \times \frac{10 gtt}{mL} \times \frac{min}{33 gtt} = 75.75 min$$

**11.** Your patient was ordered 28 units regular insulin, and 64 units NPH

insulin. In all how many units of insulin will the nurse administer?

_92 units_
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**12.** An IV medication of 250 mL is started at 0750 to run at 33 gtts/min using

10 gtts/mL. How long will the infusion run? _about 76 mins_____

**13.** Calculate IV flow rate for 1200 mL to be infused in six hours. Using tubing

with drip factor of 20 gtts/mL. _67 gtt/min_____

**14.** The patient is ordered Tylenol elixir at 325 mg per teaspoon. How many

mL would the nurse administer? _5 mL_____

**15.** The provider orders 2mg Dilaudid IVP and you have on hand 4mg per 2

$2mg \times \frac{2mL}{4mg} =$   mL. How many mL will you give? _1 mL_____

$1000 \times \frac{hr}{125} = 8hr$   **16.** The nurse hangs 1 L of 0.9NS at 9 am @ 125 mL/hr what time will the IV

be finished? (Military time) _17:00_____

**17.** What is 2pm in Military time? _14:00_____

**18.** What is 6 am in military time? _06:00_____

| Blood glucose (mg/dL) | Insulin (units) |
|---|---|
| 61-150 | 0 |
| 151-200 | 3 |
| 201-250 | 5 |
| 251-300 | 8 |
| 301-350 | 10 |
| 351-400 | 12 |
| >400 | 15[a] |

**19.** [a]Physician should be contacted. **According to this chart how much insulin would you give a patient with a blood glucose of 275?** _____8 units_____

**20.** J. Smith weighs 205 lb. The doctor orders 15 mg/kg of medication.

$205 \times \frac{kg}{2.2 lb}$

**Convert the patient's weight into kilograms. Mr. Smith weighs**

$93 kg \times \frac{15mg}{kg} =$

___93___ **kg. What is the correct dose of medication for Mr. Smith?**

___1,395___ **mg.**

**21.** Doctor's order says: 300 mL of Normal Saline to infuse over 6 hours. What

$\frac{300mL}{6hr} =$

**is the hourly rate?** _____50 mL/hr._____

**22.** Doctor's order says: 300 mL of Packed Red Blood Cells to infuse over 4

$\frac{300 mL}{4 hr}$

**hours. What is the hourly rate?** _____75 mL/hr_____

**23.** Doctor's order says: 250 mL of Vancomycin to infuse over 45 minutes.

$\frac{250mL}{45 min} \times \frac{60 min}{1 hr}$

**What is the hourly rate?** _____333 mL/hr._____

**24.** Doctor's order says: 2,500 mL of D5 1/4 Normal Saline to infuse over 1

**day. What is the hourly rate?** _____104 mL/hr_____

$\frac{2500mL}{24 hr} =$

$$\frac{1000 \text{ mL}}{36 \text{ hr}} = 27.7$$

**25. Doctor's order says: 1000 mL of TPN to infuse over 36 hours. What is the hourly rate?** _____28 mL/hr_____

**26. Doctor's order says: "Infuse 1500 mL of Lactated Ringer's over 12 hours."**

$$\frac{1500 \text{ mL}}{12 \text{ hr}} \times \frac{1 \text{ hr}}{60 \text{ min}} \times \frac{15 \text{ gtt}}{1 \text{ mL}} = 31.25$$

**Drip factor: 15 gtt/mL? Calculate IV flow rate** ____31 gtt/min____

**27. Doctor's order says: "0.4 L of D5W in Normal Saline to infuse over 3 hours." Drip factor: 10 gtt/mL. Calculate IV flow**

$$\frac{400 \text{ mL}}{3 \text{ hr}} \times \frac{1 \text{ hr}}{60 \text{ min}} \times \frac{10 \text{ gtt}}{\text{mL}}$$

**Rate** ____22 gtt/mL____

$$\frac{500}{5 \text{ hr}} \times \frac{1 \text{ hr}}{60 \text{ min}} \times \frac{10 \text{ gtt}}{\text{mL}} = 16.67$$

**28. Doctor's order says: "500 mL of D5 1/2 Normal Saline with 10 meq of potassium chloride to infuse over 5 hours " Drip factor: 10 gtt/mL**

**Calculate IV flow Rate** ____17 gtt/min____

**29. Doctor's order says: "3 L of D5W with 20 meq of potassium chloride to infuse over 24 hours" Drip factor: 10 gtt/mL. Calculate IV flow rate**

____21 gtt/min____

$$\frac{3000}{24} \times \frac{1}{60} \times \frac{10}{1} = 20.8$$

**30. Provider order an IM injection of 250mg and you have 500mg per 10 mL. How many mL will the nurse draw up into the syringe?** ____5 mL____

$$250 \text{ mg} \times \frac{10 \text{ mL}}{500 \text{ mg}} = 5 \text{ mL}$$